

Version With Markings To Show Changes Made

Application No. NYA

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5. A polymerisable surfactant according to [any preceding claim] Claim 1 wherein x is between 17 and 22.

7. A polymerisable surfactant according to [any preceding] claim 1 wherein the oxyalkylene groups represented by [CH₂CHR'O] comprise mainly propyleneoxy groups.

9. A polymerisable surfactant according to Claim 7 [or 8] wherein the balance of the oxyalkylene groups not being propyleneoxy groups is selected from ethyleneoxy and butyleneoxy groups.

10. A polymerisable surfactant according to [any preceding claim] Claim 1 wherein the hydrophilic group represented by PO (OY)_m is a phosphate group, where Y represents hydrogen.

11. A polymerisable surfactant according to any one of [Claims 1-9] Claim 1 wherein the hydrophilic group represented by PO(OY)_m is a water-soluble phosphate salt group.

13. A method of making [a] the polymerisable surfactant according to Claim 1 [any one of Claims 1 to 12], the method comprising the steps of:

Reacting an unsaturated carboxylic acid corresponding to the hydrophobic group with an alkylene oxide corresponding to the oxyalkylene linking group while maintaining the temperature of the reaction below that at which spontaneous polymerisation of the unsaturated groups of the hydrophobic group would occur; and

Phosphating the resultant polyalkoxylated hydrophobic group.

16. A method according to Claim 14 [or 15] wherein the catalyst for alkoxylation is a strong Lewis acid.

18. A method according to [any one of] Claim[s] 14 [to 17] wherein a small portion of a catalyst for alkoxylation is added to the unsaturated carboxylic acid before addition of the alkylene oxide.

19. A method according to [any one of] Claim[s] 14 [to 18] wherein a bulk portion of the catalyst for alkoxylation is added to the unsaturated carboxylic acid with the alkylene oxide.

20. A method according to [any one of] Claim[s] 14 [to 19] wherein a small portion of the catalyst for alkoxylation is added after completion of the addition of the alkylene oxide.

22. A method according to [any one of Claims 13 to 21] Claim 1 wherein any unreacted alkylene oxide is removed.

24. A method according to [any one of Claims 13 to 23] Claim 1 wherein the reaction of the unsaturated carboxylic acid and the alkylene oxide is carried out in an inert atmosphere.

25. A method according to [any one of Claims 13 to 24] Claim 13 wherein the phosphorylation step is carried out by reaction with phosphorus pentoxide.

26. A method according to [any one of Claims 13 to 25] Claim 13 wherein the product of the phosphorylation step is treated to remove any unreacted phosphoric acid.

27. A coating including a polymerisable surfactant according to Claim 1 [any one of Claims 1 to 12 or made by the method of any one of Claims 13 to 26].

28. A coating [according to Claim 28] formed from the polymerisable surfactant of Claim 1 [which is an] wherein the coating is emulsion polymerisable [coating].

[29. A polymerisable surfactant substantially as described herein.]

[30. A method of making a polymerisable surfactant substantially as described herein.]

[31. A coating including a polymerisable surfactant substantially as described herein.]